

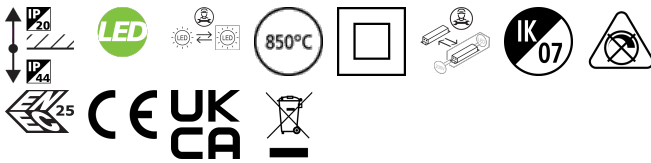
## Insaver HO Topper LED II 175

*Insaver HO Topper LED II 175 RO 15W WW*  
3033936



### Product features

- IP44 from the front round LED downlight with outputs of up to 2,289lm and an efficacy of up to 99lm/W. Polycarbonate diffuser with a white bezel. Shallow recess depth (<65mm). Available in 12, 15, 21 & 25W in 150mm, 175mm, 205mm & 225mm cut out sizes. Perfect for up to 2x26W CFL replacement. Includes loop-in loop-out facility for quick installation.



### PRODUCT OVERVIEW

Product name	Insaver HO Topper LED II 175 RO 15W WW
Technology	LED
Housing	Aluminium
Mount	Ceiling recessed mounting
Environment	Interior
General application	Hospitality
ETIM Class	EC001744
E-number SE	7465676
Warranty	5 years
Fixture luminous flux (lm)	1367
Luminaire efficacy (lm/W)	91
LOR (%)	100
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	74
Glare control	< 24
Photobiological Risk Group	RG0
Total power consumption (W)	15
Electrical protection	Class II
Control gear type	LED driver constant current
Dimmable	No
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL 9003 - Signal white
IP rating	IP44/20
IK rating	IK07
Product EAN number	8711971339366
Dimming method	N/A

### DATA TABLE

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### General data

<b>Product name</b>	Insaver HO Topper LED II 175 RO 15W WW
<b>Technology</b>	LED
<b>Housing</b>	Aluminium
<b>Mount</b>	Ceiling recessed mounting
<b>Environment</b>	Interior
<b>General application</b>	Hospitality
<b>Operating temperature range (°C)</b>	-10°C...+25°C
<b>Performance ambient temperature Tq (°C)</b>	25
<b>ETIM Class</b>	EC001744
<b>E-number SE</b>	7465676
<b>Warranty</b>	5 years

### Optical data

<b>Fixture luminous flux (lm)</b>	1367
<b>Luminaire efficacy (lm/W)</b>	91
<b>LOR (%)</b>	100
<b>Colour temperature (K)</b>	3000
<b>Light colour</b>	Warm White
<b>CRI (Ra)</b>	80
<b>Colour Variation Initial (SDCM)</b>	SDCM3
<b>Adjustable chromaticity</b>	N
<b>Beam Angle (°)</b>	74
<b>Distribution type</b>	Symmetric
<b>Glare control</b>	< 24
<b>Photobiological Risk Group</b>	RG0

### Electrical data

<b>Total power consumption (W)</b>	15
<b>Mains voltage (V)</b>	220-240V
<b>Lamp power factor</b>	0.9
<b>THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %</b>	20
<b>Electrical protection</b>	Class II
<b>Control gear type</b>	LED driver constant current
<b>Transformer required</b>	Yes
<b>Dimmable</b>	No
<b>Drive current (mA)</b>	390
<b>Inrush Current (A)</b>	7.52
<b>Inrush Duration (µs)</b>	830
<b>Glow Wire Test (°C)</b>	850
<b>Energy Efficiency Class (A-&gt;G) of contained light source</b>	E
<b>Nominal Frequency (Hz)</b>	50/60Hz
<b>LED Flickering Rate</b>	Ultra low (5% or less)
<b>Max. Luminaires per 10A C Breaker</b>	10
<b>Max. Luminaires per 13A C Breaker</b>	14
<b>Max. Luminaires per 16A C Breaker</b>	17
<b>Max. Luminaires per 20A C Breaker</b>	20

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### Lifetime data

Lifespan L70 B50	100000
Lifespan L80 B20	74000
Lifespan L90 B10	34000

### Physical data

Housing colour	RAL 9003 - Signal white
IP rating	IP44/20
IK rating	IK07
Diffuser finish	Opal
Diffuser material	PC Polycarbonate
Reflector finish	High-gloss
Nominal Product Length (mm)	195
Nominal Product Width (mm)	195
Nominal Product Height (mm)	55
Nominal Product Diameter (mm)	195
Cutout Dimensions (W x L in mm or Diameter in mm)	175
Weight (kg)	0.537
Recessed Depth (mm)	150

### Packaging

Single packaging type	Carton
Product EAN number	8711971339366
Packaging single length / height (cm)	22.7
Packaging single width (cm)	22.9
Packaging single depth (cm)	6.2
DUN14 (outer)	18711971339363
Units per outer package	12
Packaging outer length / height (cm)	48.1
Packaging outer width (cm)	48.5
Packaging outer depth (cm)	21.1

### Safety data

Optimal operating condition (°C)	-10-25
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## PHOTOMETRY

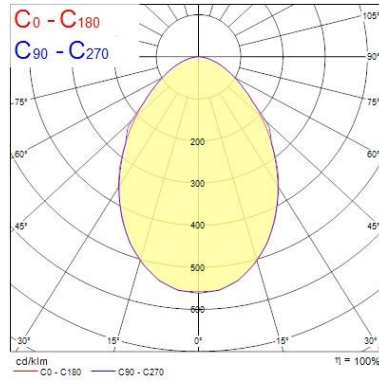
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0.5	0.80 0.81	E(0°) E(C90) E(C0)	3051 728 715
1.0	1.61 1.63	E(0°) E(C90) E(C0)	763 182 179
1.5	2.41 2.44	E(0°) E(C90) E(C0)	339 81 79
2.0	3.22 3.25	E(0°) E(C90) E(C0)	191 48 46
2.5	4.02 4.06	E(0°) E(C90) E(C0)	122 29 28
3.0	4.82 4.88	E(0°) E(C90) E(C0)	86 21 20

Distance [m]      Cone diameter [m]      Illuminance [lx]

— C0 - C180 (Half beam angle: 78.2°)  
— C90 - C270 (Half beam angle: 77.6°)



## TECHNICAL DRAWINGS

